

I CLAIM:

1. A hydrocarbon fluids container comprising:
  - a pouch made of polymer laminate having at least three layers comprising:
    - an outer layer of a first polyalkylene;
    - at least one inner layer of a first oriented nylon; and
    - an inside layer of a second polyalkylene; and
  - a rigid outer box having one or more faces;wherein the pouch is disposed within the rigid box.
2. The container of claim 1 further comprising a valve or a quill affixed to the pouch and extending outwardly therefrom.
3. The container of claim 2 further comprising a valve opening in a face of the box.
4. The container of claim 1 wherein the box is a cube.
5. The container of claim 1 wherein the box is a solid rectangle.
6. The container of claim 2 wherein the valve opening is located on the top face of the box where the pouch is placed inside the box.
7. The container of claim 1 wherein the box is made of a cellulosic material.
8. The container of claim 8 wherein the box is made of cardboard.
9. The container of claim 8 wherein the cardboard is corrugated.
10. The container of claim 9 wherein the cardboard is coated with a fire retardant.
11. The container of claim 9 wherein the box is coated with a water-repellant.
12. The container of claim 1 wherein the first polyalkylene is selected from the group of cast polypropylene linear low density polyethylene, low density polyethylene, ultra low density polyethylene, high density polyethylene, polyethylene, polyethylene terephthalate, oriented and cross laminated high density polyethylene and ethylene vinyl alcohol-linear (or density polyethylene copolymer.
13. The container of claim 1 wherein the second polyalkylene is selected from the group of cast polypropylene linear low density polyethylene, low density polyethylene, ultra low density polyethylene, high density polyethylene, polyethylene, polyethylene terephthalate, oriented and cross laminated high density polyethylene and ethylene vinyl alcohol-linear (or density polyethylene copolymer.
14. The container of claim 1 wherein the oriented nylon is selected from the group of uniaxially oriented nylon and biaxially oriented nylon.

15. The container of claim 1 wherein the first layer is between about 5 and 225 microns thick.
16. The container of claim 1 wherein the third layer is between about 5 and 225 microns thick.
17. The container of claim 1 wherein the oriented nylon layer is between about 50 and 250 microns thick.
18. The container of claim 10 wherein the fire retardant is an intumescent coating.
19. The container of claim 11 wherein the water-repellant is a wax coating.
20. The container of claim 1 wherein either the first layer or the third layer is disposed on the interior of the pouch.
21. The container of claim 1 wherein the oriented nylon is selected from the group of nylon 6, nylon 6,6, nylon 6, 10, nylon 11, nylon 12, nylon 6, 12, amorphous nylon, partially aromatic polyamides, and copolymers of nylons.
22. The container of claim 1 wherein the three-ply polymer laminate is between about 15 and about 260 microns thick.
23. A hydrocarbon fluids container comprising:
  - a pouch of oriented and cross laminated high density polyethylene; and
  - a rigid box having at least one face, wherein the pouch is disposed within the rigid box.
24. The container of claim 23 wherein the flexible bag is between about 50 to 200 microns thick.
25. The container of claim 23 further comprising a valve affixed to the pouch and extending outwardly therefrom.
26. The container of claim 25 further comprising a valve opening in a face of the box.
27. The container of claim 23 wherein the box is a cube.
28. The container of claim 23 wherein the box is a solid rectangle.
29. The container of claim 23 wherein the valve opening is located on the top face of the box where the pouch is placed inside the box.
30. The container of claim 29 wherein at least one of the top flaps has a handhold opening.
31. The container of claim 23 wherein the box is made of a cellulosic material.
32. The container of claim 31 wherein the box is made of cardboard.
33. The container of claim 32 wherein the cardboard is coated with a fire retardant.
34. The container of claim 32 wherein the box is coated with a water-repellant.

35. A hydrocarbon fluids container comprising:
- a pouch made of a polymer laminate having at least 3 layers comprising:
    - an outer layer of a first oriented nylon;
    - an inner layer selected from the group of a second oriented nylon and aluminum; and
    - an inside layer of a polyalkylene;
    - and a rigid box;
  - wherein the pouch is disposed in the rigid box.
36. The container of claim 36 further comprising a valve affixed to the pouch and extending outwardly therefrom.
37. The container of claim 37 further comprising a valve opening in a face of the box.
38. The container of claim 36 wherein the box is a cube.
39. The container of claim 36 wherein the box is a solid rectangle.
40. The container of claim 35 wherein the valve opening is located on the top face of the box where the pouch is placed inside the box.
41. The container of claim 36 wherein the box is made of a cellulosic material.
42. The container of claim 41 wherein the box is made of cardboard.
43. The container of claim 43 wherein the cardboard is coated with a fire retardant.
44. The container of claim 43 wherein the box is coated with a water-repellant.
45. The container of claim 36 wherein the first polyalkylene is selected from the group of cast polypropylene linear low density polyethylene, low density polyethylene, ultra low density polyethylene, high density polyethylene, polyethylene, polyethylene terephthalate, oriented and cross laminated high density polyethylene and ethylene vinyl alcohol-linear (or density polyethylene copolymer.
46. The container of claim 36 wherein the first oriented nylon layer is selected from the group of uniaxially oriented nylon and biaxially oriented nylon.
47. The container of 36 wherein the second layer is oriented nylon.
48. The container of claim 36 wherein the polymer laminate thickness is between about 80 and about 350 microns.
49. The container of claim 36 wherein the first layer is between about 5 and about 50 microns thick.
50. The container of claim 36 wherein the third layer is between about 25 and about 225 microns thick.

51. The container of claim 36 wherein the second layer is between about 5 and about 100 microns thick.
52. The container of claim 36 wherein second layer is an aluminum layer of between about 0.0001 and about 0.00070 inches thick.
53. The container of claim 1 wherein the container comprises an additional inner layer of an aluminum layer of between about 0.0001 and about 0.00070 inches thick.